

## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

### LISTING OF CLAIMS:

1. (Currently Amended) Sensor holder (10) for arranging at least one sensor (32) through ~~the~~ a wall of a housing and into communication with ~~the~~ an inside of ~~a~~ the housing (44), characterised in that said sensor holder (10) comprising a first and a second component (12,14),  
the first component (12) being adapted to hold said sensor (32),  
the second component (14) being provided with a first sealing surface (36) and at least one throughgoing opening (38),  
a portion of the sensor (32) being adapted to extend from the first component (12), through the opening (38) in the second component (14) and into communication with the inside of the housing (44),  
the an envelope surface of the throughgoing opening (38) in the second component (14) being adapted to be tightly sealed to the sensor (32) when pressing together the first and second component (12,14) of the sensor holder (10), and  
the first sealing surface (36) of the second component (14) being adapted to be tightly sealed to a second sealing surface (50) provided in the housing (44) when pressing together the sensor holder (10) and the housing (44).
  
2. (Currently Amended) Sensor holder (10) according to claim 1, whereby the throughgoing opening (38) of the second component (14) is ~~conical or~~ at least frusto

conical, the ~~conical~~ or at least frusto conical form being widened towards a surface opposite the first sealing surface (36), and whereby first sealing means (42) for sealing is provided in the ~~conical~~ or at least frusto conical form of the throughgoing opening (38).

3. (Currently Amended) Sensor holder (10) according to claim 1, whereby second sealing means (52) for sealing is provided between the first sealing surface (36) and the second sealing surface (50).

4. (Currently Amended) Sensor holder (10) according to ~~claims 2 or 3~~ claim 2, whereby each of the first and second sealing means (42,52) is a compressible sealing ring such as an O-ring.

5. (Currently Amended) Sensor holder (10) according to claim 1, whereby the throughgoing opening (38) in the second component (14) of the sensor holder (10) and the sensor (32) have rectangular forms.

6. (Currently Amended) Sensor holder (10) according to claim 1, whereby the throughgoing opening (46) in the housing (44) has an oval or circular form.

7. (Currently Amended) Sensor holder (10) according to claim 3, whereby the first sealing surface (36) being provided with a groove (54) for receiving the second sealing means (52), the groove (54) having an oval or circular form.

8. (Currently Amended) Sensor holder (10) according to claim 1, whereby a first portion (20) is provided with a groove (30) adapted to receive at least a portion of the sensor (32).

9. (Currently Amended) Sensor holder (10) according to ~~claims 5 and 8~~ claim 8, whereby the groove (30) is rectangular and has a depth less than the length between two opposite sides of the sensor (32) whereof one of said sides is facing the a bottom of the groove (30).

10. (Currently Amended) Sensor holder (10) according to claim 8, whereby the first component (12) further comprising a second portion (22), and comprising fastening means for clamping together ~~that~~ the first and second portions (20,22) ~~being adapted to be clamped together by first fastening means (28).~~

11. (Currently Amended) Sensor holder (10) according to claim 1, ~~whereby it is provided with second~~ further comprising fastening means (40) for tightening the first and second components (12,14) to each other.

12. (Currently Amended) Sensor holder (10) according to claim 1, ~~whereby it is provided third~~ further comprising fastening means (56) for tightening the sensor (32) holder to the housing (44).

13. (Currently Amended) Sensor holder (10) according to ~~any of claims 10-12~~ claim 12, whereby the fastening means (28,40,56) is a screw joint.

14. (New) Sensor holder according to claim 2, wherein the throughgoing opening of the second component is conical.

15. (New) Sensor holder according to claim 4, wherein the compressible sealing ring is an O-ring.

16. (New) Sensor holder according to claim 10, wherein the fastening means is a screw joint.

17. (New) Sensor holder according to claim 11, wherein the fastening means is a screw joint.